

CLAIMS

1 1. A method in a computer system for preparing a program for
2 customization, the method comprising:

3 for a plurality of statements of the program,
4 retrieving the statement;
5 identifying a type of the retrieved statement; and
6 when the identified type indicates that statements of that type can be
7 customized,

8 identifying content of the statement that can be customized;
9 storing the identified content in a custom content bundle so that
10 identified content can be later retrieved from the custom content bundle using a content
11 identifier; and

12 replacing the identified content in the retrieved statement with an
13 include content command having the content identifier so that when the include content
14 command is processed, it retrieves content from a custom content bundle using the content
15 identifier.

1 2. The method of claim 1 wherein the program is a server-executable web
2 page and wherein the statements are tags.

1 3. The method of claim 2 wherein the statements are custom JSP tags.

1 4. The method of claim 2 wherein the statements are HTML tags.

1 5. The method of claim 2 wherein the server-executable web page is a
2 JavaServer page.

1 6. The method of claim 2 wherein the server-executable web page is an
2 active server page.

1 7. The method of claim 1 wherein the content is text.

1 8. The method of claim 1 wherein the customization is language
2 localization.

1 9. The method of claim 1 wherein a custom content bundle from which the
2 content is retrieved when processing the include content command is different from the
3 custom content bundle in which the identified content is stored.

1 10. The method of claim 9 wherein the different custom content bundles
2 represent content in different languages.

1 11. A method in a computer system for customizing a program, the method
2 comprising:

3 during execution of the program,

4 establishing a default value for a customization parameter for the
5 program; and

6 for a plurality of statements of the program,

7 determining whether the statement has statement-specific value

8 for the customization parameter that overrides the default value parameter;

9 when it is determined that the statement has a statement-specific
10 value that overrides the default value, retrieving content from a custom content bundle
11 associated with the statement-specific value; and

12 when it is determined that the statement does not have a
13 statement-specific value that overrides the default value, retrieving content from a custom
14 content bundle associated with the default value

15 whereby different statements can have different values for the customization
16 parameter.

1 12. The method of claim 11 wherein the customizing is language
2 localization.

1 13. The method of claim 11 wherein the custom content bundles include
2 text content.

1 14. The method of claim 11 wherein the custom content bundles include
2 images.

1 15. The method of claim 11 wherein the custom content bundles include
2 code.

1 16. The method of claim 15 wherein the customization parameter is country
2 and the code formats data according to the country.

1 17. The method of claim 11 wherein the program is a server-executable web
2 page and wherein the statements are tags.

1 18. The method of claim 17 wherein the statements are custom tags.

1 19. The method of claim 17 wherein the statements are HTML tags.

1 20. The method of claim 17 wherein the server-executable web page is a
2 JavaServer page.

1 21. The method of claim 17 wherein the server-executable web page is an
2 active server page.

1 22. The method of claim 11 wherein the different custom content bundles
2 represent content in different languages.

1 23. The method of claim 11 wherein a custom content bundle is
2 automatically generated from a program.

1 24. The method of claim 23 wherein the automatic generation processes the
2 program to replace content with references to the content that is stored in a custom content
3 bundle.

1 25. A computer system for preparing a statement of a program for
2 customization, comprising:

3 a component that determines whether the statement is of a type that can be
4 customized; and

5 a component that identifies content of the statement that can be customized,
6 that stores the identified content in a custom content bundle so that identified content can be
7 later retrieved from the custom content bundle using a content identifier, and that replaces
8 the identified content in the retrieved statement with an include content command having the
9 content identifier so that when the include content command is processed, the content from a
10 custom content bundle is retrieved using the content identifier.

1 26. The computer system of claim 25 wherein the program is a server-
2 executable web page and wherein the statements are tags.

1 27. The computer system of claim 26 wherein the statements are custom
2 JSP tags.

1 28. The computer system of claim 26 wherein the statements are HTML
2 tags.

1 29. The computer system of claim 26 wherein the server-executable web
2 page is a JavaServer page.

1 30. The computer system of claim 26 wherein the server-executable web
2 page is an active server page.

1 31. The computer system of claim 25 wherein the content is text.

1 32. The computer system of claim 25 wherein the customization is language
2 localization.

1 33. The computer system of claim 25 wherein a custom content bundle from
2 which the content is retrieved when processing the include content command is different
3 from the custom content bundle in which the identified content is stored.

1 34. The computer system of claim 33 wherein the different custom content
2 bundles represent content in different languages.

1 35. A computer system for preparing a statement of a program for
2 customization, comprising:

3 means for determining whether the statement is of a type that can be
4 customized;

5 means for identifying content of the statement that can be customized;

6 means for storing the identified content in a custom content bundle using a
7 content identifier; and

8 means for replacing the identified content in the retrieved statement with an
9 include content command having the content identifier.

1 36. The computer system of claim 35 wherein the program is a server-
2 executable web page and wherein the statements are tags.

1 37. The computer system of claim 35 wherein the content is text.

1 38. The computer system of claim 35 wherein the customization is language
2 localization.

1 39. The computer system of claim 35 wherein a custom content bundle from
2 which the content is retrieved when processing the include content command is different
3 from the custom content bundle in which the identified content is stored.

1 40. The computer system of claim 39 wherein the different custom content
2 bundles represent content in different languages.

1 41. A computer system for customizing a program, comprising:
2 a component that establishes a default value for a customization parameter for
3 the program; and

4 a component that determines whether the statement has statement-specific
5 value for the customization parameter that overrides the default value parameter; when it is
6 determined that the statement has a statement-specific value that overrides the default value,
7 retrieves content from a custom content bundle associated with the statement-specific value;
8 and when it is determined that the statement does not have a statement-specific value that
9 overrides the default value, retrieving content from a custom content bundle associated with
10 the default value.

1 42. The computer system of claim 41 wherein the customizing is language
2 localization.

1 43. The computer system of claim 41 wherein the custom content bundles
2 include text content.

1 44. The computer system of claim 41 wherein the custom content bundles
2 include images.

1 45. The computer system of claim 41 wherein the custom content bundles
2 include code.

1 46. The computer system of claim 41 wherein the program is a server-
2 executable web page and wherein the statements are tags.

1 47. The computer system of claim 46 wherein the statements are custom
2 tags.

1 48. The computer system of claim 46 wherein the statements are HTML
2 tags.

1 49. A computer-readable medium containing a program for controlling a
2 computer system to perform a custom behavior, by a method comprising:
3 establishing a default value for a customization parameter for the program;
4 when it is determined that a statement of the program has a statement-specific
5 value that overrides the default value, retrieving content from a custom content bundle
6 associated with the statement-specific value; and
7 when it is determined that a statement of the program does not have a
8 statement-specific value that overrides the default value, retrieving content from a custom
9 content bundle associated with the default value.